| Electronic Acknowledgement Receipt   |   |  |  |  |  |
|--------------------------------------|---|--|--|--|--|
| EFS ID:                              | 2419301   |  |  |  |  |
| Application Number:                  | 10655364  |  |  |  |  |
| International Application Number:    |   |  |  |  |  |
| Confirmation Number:                 | 1562  |  |  |  |  |
| Title of Invention:                  | Novel heterocyclic compounds, preparation process and intermediates, and use as medicaments, in particular as B-lactamase inhibitors and antibacterials |  |  |  |  |
| First Named Inventor/Applicant Name: | Branislav Musicki   |  |  |  |  |
| Customer Number:                     | 5487  |  |  |  |  |
| Filer:                               | Jennifer Marie Woodside-Wojtala   |  |  |  |  |
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| Application Type:                    | Utility under 35 USC 111(a)   |  |  |  |  |

# Payment information:

| Submitted with Payment                   | yes    |
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| Payment was successfully received in RAM | \$180  |
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| Deposit Account                          | 080750 |

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

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## File Listing:

| Document<br>Number | Document Description                         | File Name                              | File Size(Bytes)<br>/Message Digest                    | Multi<br>Part /.zip | Pages<br>(if appl.) |
|--------------------|--|--|--|---------------------|---------------------|
| 1                  | Information Disclosure Statement (IDS) Filed | 8674-000031_Supp_IDS_02<br>_Nov_07.pdf | 237999<br>19390a9eb5735da4e738e8516bdd3drld<br>cd07787 | no                  | 6                   |
| Warnings:          |  |  | c0l07787   |                     |                     |
| Information:       |  |  |  |                     |                     |
| This is not an U   | JSPTO supplied IDS fillable form             |  |  |                     |                     |
|                    | Information Disclosure Statement             | 8674-000031 1449 02 Nov                | 119713   | no                  |                     |
| 2                  | Letter07.pdf                                 | _07.pdf                                | f311b3cb5cce01c7090l65tc50dba9bec<br>240c2fc           |                     | 2                   |
| Warnings:          |  |  |  |                     |                     |
| Information:       |  |  |  |                     |                     |
|                    | Ei D-f                                       | JP5339263 with CAPLUS                  | 1309605  |                     |                     |
| 3                  | Foreign Reference                            | Abstract.pdf                           | d0x1c24c155bu8ac2570bu524576c4u6<br>24608510           | no                  | 34                  |
| Warnings:          |  |  |  |                     |                     |
| Information:       |  |  |  |                     |                     |
|                    |  | Booker-Milburn-J_Chem_So               | 1458857  |                     |                     |
| 4                  | NPL Documents                                | c.pdf                                  | fo0a25575300e6fb578f4f28d2068d8b43<br>ee8ca0           | no                  | 13                  |
| Warnings:          |  |  |  |                     |                     |
| Information:       |  |  |  |                     |                     |
|                    |  | Elliott-Tetrahedron_Letters.p          | 143375   |                     |                     |
| 5                  | NPL Documents                                | df                                     | 3feecacidb67c16884579c3e6157ee749<br>cattla26          | no                  | 4                   |
| Warnings:          |  |  |  |                     |                     |
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| 6                  | NBI B  | 11 ·                                   | 39909  |                     |                     |
| •                  | NPL Documents                                | Heier-CAPLUS.pdf                       | e26519f891eed8co3d5d2237c9afea06<br>0c7b642d           | no                  | 1                   |
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| Information:       |  |  |  |                     |                     |
| _ [                | NPL Documents Heier                          |  | 953521   | no                  | 8                   |
| 7                  |  | Heier-J_Med_Chem.pdf                   | 659027ded6e3lc446086(cac9d58c31eb<br>3636085           |                     |                     |
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| Information:       |  |  |  |                     |                     |
|                    | NEL D  | Mars 1 Mars 20                         | 1755308  |                     | 17                  |
| 8                  | NPL Documents                                | Moon-J_Med_Chem.pdf                    | 96b34edb60dbd885c4e65d630e6a850<br>oe586c73c           | no                  |                     |
| Warnings:          |  |  |  |                     |                     |
| Information:       |  |  |  |                     |                     |

| 9            | NPL Documents | Moon-CAPLUS.pdf            | 38363   | no  | 1  |
|--------------|---------------|----------------------------|---|-----|----|
|              | W E Documents | Moon on Eco.pu             | 4bd549ca4e9a4f86adbb7bfc7ddf992b1<br>bce5128  |     |    |
| Warnings:    |               |                            | ·   |     |    |
| Information: |               |                            |   |     |    |
| 10           | NPL Documents | Moon-CAPLUS_tritium.pdf    | 36707   | no  | 1  |
| 10           | NFL Documents | WOOTFCAFEOS_tritium.pui    | b5dcae6c3a540a6e2ae07a6c9291878<br>6b629775   | 110 |    |
| Warnings:    |               | •                          |   |     |    |
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|              | NDI Descripto | Pennington-CA_Database.p   | 58052   |     |    |
| 11           | NPL Documents | df                         | 5254d4t3991±16t2740167d014c1755fe<br>a6abt03  | no  | 1  |
| Warnings:    |               | •                          |   |     |    |
| Information: |               |                            |   |     |    |
|              |               | Romero-Tetrahedron Letters | 159204  |     |    |
| 12           | NPL Documents | .pdf                       | \$25d4b09bad08ba389bfe180be12c601<br>a54336e7 | no  | 4  |
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|              | NPL Documents | Shiotani-Chem_Pharm_Bull.  | 546083  | no  | 5  |
| 13           |               | pdf                        | odac5360ad5529e9516972d7778e18d<br>3b0d1136   |     |    |
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|              |               | Tirk-Acto_Chimica_Hungaric | 552254  |     | 13 |
| 14           | NPL Documents | a.pdf                      | 6593ecb96c7053b3b378debe14595fg.4<br>b2c5eb92 | no  |    |
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|              | N.D. D        | Tit of Dutt                | 179709  |     |    |
| 15           | NPL Documents | Triebs-CA_Database.pdf     | 01828a6a1a45aa8b75b1d7933ee8id61<br>40d55311  | no  | 3  |
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| Information: |               |                            |   |     |    |
|              | NPL Documents |                            | 273830  | no  | 4  |
| 16           |               | Zhou-Org_Lett.pdf          | bf15eeb5ce12058616b40a47e8c4dd58<br>81d20d15  |     |    |
| Warnings:    |               | •                          |   |     |    |
| Information: |               |                            |   |     |    |
| 17           |               | WO0179206 With CAPLUS      | 3075420                                       | no  | -  |
|              | NPL Documents | _Abstract.pdf              | 006b9f93ffccc78fa496a52c6751a418d<br>b0c9180  |     | 69 |
| Warnings:    |               |                            |   | I   |    |
|              |               |                            |   |     |    |

| 18          | 18 Fee Worksheet (PTO-06) | fee-info.pdf                 | 8280   | no | 2 |
|-------------|---------------------------|------------------------------|--|----|---|
| 10 Fee W    | ree worksheet (i 10-00)   | •                            | d316737a4cb1a4cb7104f37ecc770805<br>885e795c |    |   |
| Warnings:   |                           |                              |  |    |   |
| Information | :                         |                              |  |    |   |
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#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

## National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.